

# Work Order ID 79989

**\*79989\***

Page 1

Wednesday, February 08, 2012 3:24:20 PM

Item ID: D4002-5

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Item Name: Hose Assembly

Stop **\*NS2\***

Start Date: 2/9/2012 Start Qty: 6.00

**\*6\***

Cust Item ID:

Required Date: 3/23/2012 Req'd Qty: 6.00

**\*6\***

Customer:

Reference:

Approvals: Process Plan: *MF*

Date: *12-02-08* Tooling:

Date:

Run Start **\*NR1\***

QC:

Date: SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D4002	D

100

0.00

**\*100\***

Purchasing

Memo

0.00

Purchasing

Issue P/O: *16154*  
Purchase part as per Dwg D4002  
Part #: 156003-6D-0102  
Possible Supplier: Aviall / API  
Material release note required

*12/02/09*

*(6)*

110

Receive & Inspect for Damage & Mat'l Certs

0.00

**\*110\***

Packaging

Memo

0.00

Packaging

*10/2/13 (6)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 79989**

Wednesday, February 08, 2012 3:24:20 PM

**\*79989\***

Page 2

Item ID: D4002-5

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Item Name: Hose Assembly

Stop **\*NS2\***

Start Date: 2/9/2012 Start Qty: 6.00

**\*6\***

Cust Item ID:

Required Date: 3/23/2012 Req'd Qty: 6.00

**\*6\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

120

QC6- Inspect dimensions to drawing

0.00

**\*120\***

QC

Memo

0.00

Quality Control

130

Identify as per dwg & Stock Location: 193

0.00

**\*130\***

Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

**\*140\***

QC

Memo

0.00

Quality Control

M.L.J 12/02/15  
(6)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Wednesday, February 08, 2012 3:24:20 P

Page 1

Work Order ID: 79989

Parent Item: D4002-5

Parent Item Name: Hose Assembly

Start Date: 2/9/2012

Required Date: 3/23/2012

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP rev A 09.12.23 new Issue Prelim EC verified by: DD IPP rev B 10.05.13 ecn10-562  
EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156003-6D0102 Hose Assembly		Purchased	No			110	Each	0.0000	1	6		2/23/13	(B)
D2729-1 Dart Logo label		Manufactured	No			130	Each	0.0000	1	6			
D2182-045 Heat Shrink 4.5" Long		Manufactured	No			130	Each	0.0000	1	6			

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

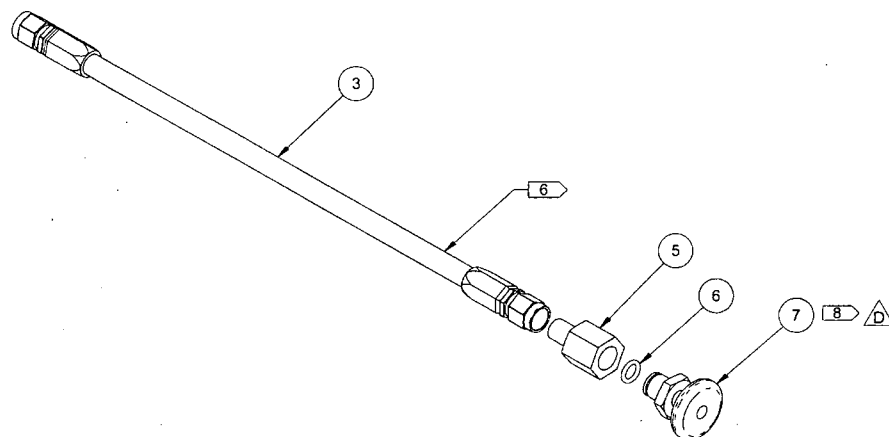
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

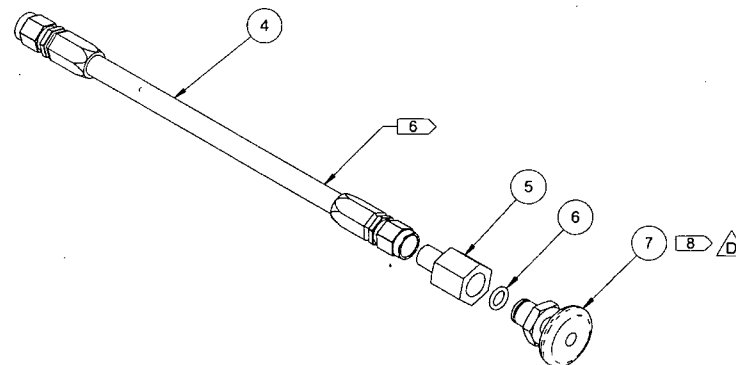
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

ITEM NO.	QTY. -041	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X		D4002-041	AUX TANK DRAIN HOSE ASSEMBLY, FWD	JCA-M47-1-13
2		X	D4002-043	AUX TANK DRAIN HOSE ASSEMBLY, AFT	JCA-M47-1-16
3	1		D4002-1	HOSE ASSEMBLY	
4		1	D4002-3	HOSE ASSEMBLY	
5	1	1	AN894D4-3	FITTING	
6	1	1	MS29512-04	O RING	
7	1	1	CCB4320	FUEL DRAIN VALVE (MS29528-4)	



**D4002-041 DRAIN HOSE - FRONT**



**D4002-043 DRAIN HOSE - REAR**

**RELEASED**  
2011-11-16  
JMD

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: D4002-041 - 0.21 lbs  
D4002-043 - 0.20 lbs
- 8) DRAIN VALVE MAY NOT APPEAR EXACTLY AS PICTURED

# 79989

REV.	DESCRIPTION	BY	DATE
D	ADDED NOTE 8	DC	11.10.06
C	ADDED 8.00" TO D4002-1/3 HOSES, AFFECTED WEIGHT	MB	11.09.14
B	CHANGE LENGTH MEASUREMENT FOR -3, ZN C2-2	HS	10.11.03
A	NEW ISSUE	HS	10.03.01
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.10.06		

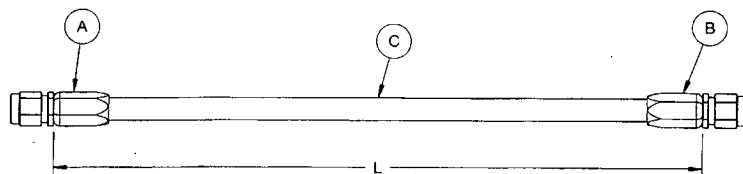
**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D4002** REV. D  
SHEET 1 OF 2  
TITLE **HOSE ASSEMBLY** SCALE NTS

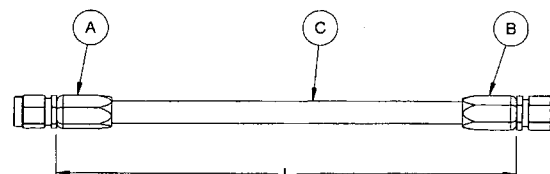
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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4002-1	REF JCA-M47-1-13
D4002-3	REF JCA-M47-1-16
D4002-5	JCA-M47-2-13
D4002-7	JCA-M47-2-25

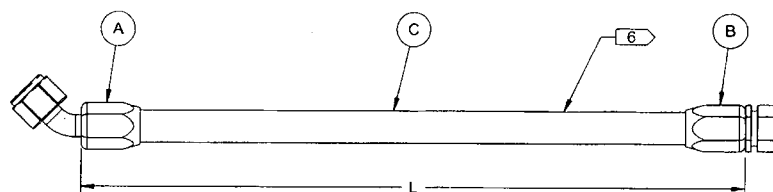
## SPECIFICATION CONTROL DRAWING



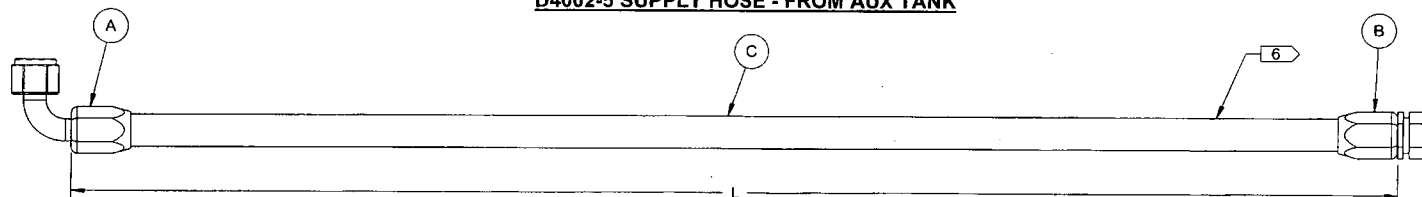
**D4002-1 HOSE ASSEMBLY**



**D4002-3 HOSE ASSEMBLY**



**D4002-5 SUPPLY HOSE - FROM AUX TANK**



**D4002-7 SUPPLY HOSE - PUMP TO MAIN TANK FILLER NECK**

DART PART NUMBER	STRATOFLEX PART NUMBER	POSSIBLE VENDOR	LENGTH "L"	END FITTING "A"	END FITTING "B"	HOSE "C"	WEIGHT
D4002-1	156001-3S-0185	AVIALL/API	17.90	676-3S	676-3S	156-3	0.16 lbs
D4002-3	156001-3S-0154	AVIALL/API	14.76	676-3S	676-3S	156-3	0.15 lbs
D4002-5	156003-6D-0102	AVIALL/API	8.94	678-6D	676-6D	156-6	0.13 lbs
D4002-7	156005-6D-0213	AVIALL/API	20.31	680-6D	676-6D	156-6	0.19 lbs

RELEASED  
2011-11-16

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
  - 7) WEIGHT: SEE TABLE

DESIGN	BC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	BC		
CHECKED	BC	DRAWING NO.	REV. D
MFG. APPR.	BC	D4002	SHEET 2 OF 2
APPROVED	BC	TITLE	SCALE
DE APPR.	BC	HOSE ASSEMBLY	NTS
DATE	11.10.06	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	





## PACKING LIST



SHIP

72483

PAGE: 1  
DATE: 02/10/12  
TIME: 13:09  
EMP#: 22611  
ORD TYP: RG 241  
CURRENCY: USD

CUSTOMER P.O.: 16156

ORDER NUMBER: 0011931823- 72483

ORDER DATE: 02/09/12

SHIP VIA: FED PLAM - COLLECT

B 032028  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
O

S  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 41270  
H AVIALl DALLAS HOSE SHOP  
I AVIALl  
P HOSE SHOP  
F 2755 REGENT BLVD  
R DFW AIRPORT TX 75261-9048  
O  
M U.S.A.

LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	BACK ORDER	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
------	-----	---------------------	-------------------	------------------	------------	-----	------------	----------------	----------------------------

PLEASE SHIP FEDEX P1 ON CUSTOMER ACCOUNT  
NUMBER 1517-9324-0, AWB# MUST REFERENCE  
THE PURCHASE ORDER NUMBER, SHIP TO THE  
ATTN OF CHANTAL 613-632-9577

1	1S	156001-3S0185 HOSE: MED PRESSURE, RUBBER REIN ST, REF: Schedule B: 4009.22.0050 Country of Origin: U.S.A.  LOT 51239409 EA	4	4		0 EA	109.57	109.5700	438.28
2	1S	156001-3S0154 HOSE: MED PRESSURE, RUBBER REIN ST, REF: Schedule B: 4009.22.0050 Country of Origin: U.S.A.  LOT 51239408 EA	4	4		0 EA	105.62	105.6200	422.48
3	1S	156003-6D0102 HOSE: MED PRESSURE, RUBBER REIN ST, REF: Schedule B: 4009.22.0050 Country of Origin: U.S.A.	6	6		0 EA	115.00	115.0000	690.00

**CERTIFICATE OF CONFORMANCE**  
It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Quality Assurance &amp; Training

Shipped Date

**DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED MERCHANDISE SUBJECT TO HANDLING FEE.**  
THIS IS TO CERTIFY THAT AVIALl HAS COMPLIED WITH THE PROVISIONS OF THE FAIR LABOR STANDARDS ACT OF 1938 AMENDED.

CUSTOMER COPY

AV20 R5-06



Hose Shop 2755 Regent Blvd. DFW Airport

75261

Phone 972-586-1380 Fax 972-586-1381 www.aviall.com

## TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such part and/or materials are new and are in condition for safe operation.

Aviall Order Number: 11931823

1. 156001-3S0185 4EA.
2. 156001-3S0154 4EA.
3. 156003-6D0102 6EA.
4. 156005-6D0213 6EA.

*Dir/14*

Signed: 

Date: 2-10-12

"Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43".

If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

FORM# CERT -001